

Refine Search

Search Results -

Terms	Documents
6835871.pn.	1

Database:
 US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
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Search: L19

Search History

DATE: Wednesday, March 16, 2005 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L19</u>	6835871.pn.	1	<u>L19</u>
<u>L18</u>	L16 and L17	1	<u>L18</u>
<u>L17</u>	relative adj4 0.5	1121	<u>L17</u>
<u>L16</u>	L14 and L15	4	<u>L16</u>
<u>L15</u>	flower adj3 white	1318	<u>L15</u>
<u>L14</u>	L11 and L13	7	<u>L14</u>
<u>L13</u>	maturity adj3 0	223	<u>L13</u>
<u>L12</u>	maturity adj3 0L11	0	<u>L12</u>
<u>L11</u>	L9 and L10	33	<u>L11</u>
<u>L10</u>	hilum adj5 black	368	<u>L10</u>
<u>L9</u>	L1 and L2 and L3 and L5 and L7 and L8	44	<u>L9</u>
<u>L8</u>	pubescence adj3 tawny	419	<u>L8</u>
<u>L7</u>	cotyledon adj4 yellow	444	<u>L7</u>
<u>L6</u>	cotyledon adj4 yellowL5	0	<u>L6</u>
<u>L5</u>	pod adj3 brown	266	<u>L5</u>
<u>L4</u>	pod adj3 brownL3	0	<u>L4</u>
<u>L3</u>	luster adj5 dull	472	<u>L3</u>
<u>L2</u>	coat adj5 yellow	747	<u>L2</u>
<u>L1</u>	soybean and roundup	429	<u>L1</u>

END OF SEARCH HISTORY

FILE 'HOME' ENTERED AT 11:36:43 ON 16 MAR 2005

=> s schultze d? /au

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file agricola biosis

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'AGRICOLA' ENTERED AT 11:37:17 ON 16 MAR 2005

FILE 'BIOSIS' ENTERED AT 11:37:17 ON 16 MAR 2005

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=> s schultze d? /au

L1 64 SCHULTZE D?

=> s l1 and soybean

L2 12 L1 AND SOYBEAN

=> s l1 and 0509237

L3 0 L1 AND 0509237

=> s l2 and 0509237

L4 0 L2 AND 0509237

=>

FILE 'HOME' ENTERED AT 11:26:04 ON 16 MAR 2005

=> file agricola biosis
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

FILE 'AGRICOLA' ENTERED AT 11:26:15 ON 16 MAR 2005

FILE 'BIOSIS' ENTERED AT 11:26:15 ON 16 MAR 2005
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=> s soybean and (cotyledon(w)yellow)
L1 0 SOYBEAN AND (COTYLEDON(W) YELLOW)

=> s soybean and (yellow(W)cotyledon)
L2 4 SOYBEAN AND (YELLOW(W) COTYLEDON)

=> s l2 and (tawny(w)pubescence)
L3 0 L2 AND (TAWNY(W) PUBESCENCE)

=> s soybean and dull and yellow and luster and roundup
L4 0 SOYBEAN AND DULL AND YELLOW AND LUSTER AND ROUNDUP

=> s soybean and dull and yellow and luster
L5 0 SOYBEAN AND DULL AND YELLOW AND LUSTER

=> s soybean and dull and yellow
L6 0 SOYBEAN AND DULL AND YELLOW

=> s soybean and yellow
L7 1031 SOYBEAN AND YELLOW

=> s l7 and white
L8 98 L7 AND WHITE

=> s l8 and brown
L9 19 L8 AND BROWN

=> s l9 and tawny
L10 2 L9 AND TAWNY

=> d l10 1-2 ibib

L10 ANSWER 1 OF 2 AGRICOLA Compiled and distributed by the National
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(2005) on STN

ACCESSION NUMBER: 94:14369 AGRICOLA
DOCUMENT NUMBER: IND20372109
TITLE: Inheritance of red-buff seed coat in soybean
AUTHOR(S): Seo, Y.W.; Specht, J.E.; Graef, G.L.; Graybosch, R.A.
AVAILABILITY: DNAL (64.8 C883)
SOURCE: Crop science, July/Aug 1993. Vol. 33, No. 4. p.
754-758
Publisher: Madison, Wis. : Crop Science Society of
America, 1961-
CODEN: CRPSAY; ISSN: 0011-183X
NOTE: Includes references
PUB. COUNTRY: United States; Wisconsin
DOCUMENT TYPE: Article
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension
LANGUAGE: English

L10 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 ACCESSION NUMBER: 1993:428143 BIOSIS
 DOCUMENT NUMBER: PREV199396082768
 TITLE: Inheritance of red-buff seed coat in **soybean**.
 AUTHOR(S): Seo, Y. W.; Specht, J. E. [Reprint author]; Graef, G. L.;
 Graybosch, R. A.
 CORPORATE SOURCE: Dep. Agron., Univ. Nebraska, Lincoln, NE 68583-0915, USA
 SOURCE: Crop Science, (1993) Vol. 33, No. 4, pp. 754-758.
 CODEN: CRPSAY. ISSN: 0011-183X.
 DOCUMENT TYPE: Article
 LANGUAGE: English
 ENTRY DATE: Entered STN: 22 Sep 1993
 Last Updated on STN: 23 Sep 1993

=> d l10 2 ab

L10 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 AB In **soybean** (*Glycine max* (L.) Merr.), five loci ((I/i-k/i-i/i,
 R/r-m/r, T/t, W1/w1, O/o) interact to produce seed coat and/or hilum color
 phenotypes of gray (G), **yellow** (Y), black (B1), imperfect black
 (Ib), **brown** (Br), striped **brown-black**, red-
brown (Rbr), or buff (Bf). The T/t and W1/w1 loci also condition
tawny/gray pubescence and purple/**white** flowers,
 respectively. T236, a **white**-flowered gray-pubescence accession
 in the **soybean** genetic collection, has a unusual red-buff (Rbf)
 seed coat. The genetic relationship of Rbf to the other seed coat colors
 was not known. To evaluate this relationship, T236 was mated to six
soybean lines of known genotype relative to the five loci. F-2
 individuals were classified as to flower, pubescence, seed coat, and hilum
 color. In all crosses, only F-2 plants with white flowers, gray
 pubescence, and an R- genotype produced Rbf seed coats or hila. The F-2
 segregation ratios were not compatible with an inheritance model for Rbf
 that invoked allelic segregation at a sixth locus. Indeed, Rbf seed coat
 seemed to be conditioned by a new allele at the T/t locus, symbolized as
 t-r. While there was no perceptible difference in the gray pubescence
 phenotypes conditioned by the t and t-r alleles, the t-r allele was
 detectable in an R-w/w1 genetic background, where the allelic series
 T/t-r/t produced the seed coat color phenotypes of B1/Rbf/Bf (in
 left-to-right dominance-recessiveness order). In all other backgrounds
 (i.e., R-W1-, rrW1-, and rrw1w1), the seed coat colors produced by t and
 t-r were identical. The currently accepted model for the inheritance of
 anthocyanidin pigments in the **soybean** seed coat is that: (i) R
 necessary for anthocyanidin production, (ii) T is needed for
 dihydroxylation of the B-ring, (iii) W1 is needed for trihydroxylation of
 the B-ring. Our postulation that the Rbf seed coat phenotype requires an
 R-t-r-w1w1 genotype is consistent with this theory. It is also consistent
 with the report that pelargonidin, a monohydroxylated B-ring
 anthocyanidin, is the predominant pigment in the Rbf seed coats of strain
 T236.

=>

Refine Search

Search Results -

Terms	Documents
L3 and (maturity adj4 0.5)	2

Database: ☐ US Pre-Grant Publication Full-Text Database
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side by side		result set	

DB=USPT; PLUR=YES; OP=OR

<u>L4</u>	L3 and (maturity adj4 0.5)	2	<u>L4</u>
<u>L3</u>	L2 and soybean	28	<u>L3</u>
<u>L2</u>	schultze-dennis-S.in.	28	<u>L2</u>
<u>L1</u>	soybean and 0509237	0	<u>L1</u>

END OF SEARCH HISTORY